

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-35. (cancelled)

36. (currently amended) A clone stably transfected with a gene expressing wild-type human thyrotropin receptor and a reporter construct comprising cDNA of both
(i) a reactant capable of causing a measurable response when brought into contact with a corresponding substrate, and
(ii) a promoter containing cAMP response elements (CREs), comprising a promoter sequence or synthetic oligonucleotide which contains the CRE consensus sequence, TGACGTCA,
~~whereby cAMP levels vary with expression of the reactant whereby reactant expression varies with the levels of cAMP; and wherein the promoter sequence or synthetic oligonucleotide is that for the glycoprotein hormone alpha subunit that contains a tandem repeat of the CRE consensus sequence, TGACGTCA.~~

37. (cancelled)

38. (currently amended) A clone according to claim 36, wherein the reactant enzyme is a luciferase and/or the substrate is luciferin.

39. (previously presented) Cells produced by a clone according to claim 36.

40-47. (canceled)